

GenCore version 4.5  
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## OM protein - protein search, using sw model

Run on: March 1, 2001, 16:19:17 ; Search time 46.88 seconds  
(without alignments)  
8.044 Million cell updates/sec

Title: US-09-331-631A-38

Perfect score: 53  
Sequence: 1 CXXXXXXXXXXXXXXXXCXXC 21Scoring table: BIOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0  
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summariesDatabase : Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/2/iaa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/2/iaa/6.COMB.pep:\*  
4: /cgn2\_6/ptodata/2/iaa/PCTUS.COMB.pep:\*  
5: /cgn2\_6/ptodata/2/iaa/backfillsl.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	53	100.0	24	1	US-08-036-555B-41
2	53	100.0	24	1	US-08-469-569-41
3	53	100.0	24	1	US-08-249-322A-41
4	53	100.0	24	1	US-08-469-526A-41
5	53	100.0	24	2	US-08-734-591A-41
6	53	100.0	24	2	US-08-469-660-41
7	53	100.0	24	4	PCT-US94-05083C-41
8	53	100.0	24	4	PCT-US95-06846A-41
9	53	100.0	38	2	US-08-902-516-47
10	53	100.0	45	1	US-08-451-947-97
11	53	100.0	45	2	US-08-424-826A-97
12	53	100.0	45	4	US-08-928-694-97
13	53	100.0	45	4	PCT-US91-06950-97
14	53	100.0	47	1	US-08-451-947-93
15	53	100.0	47	1	US-08-451-947-94
16	53	100.0	47	1	US-08-451-947-95
17	53	100.0	47	1	US-08-451-947-96
18	53	100.0	47	2	US-08-424-826A-93
19	53	100.0	47	2	US-08-424-826A-94
20	53	100.0	47	2	US-08-424-826A-95
21	53	100.0	47	2	US-08-424-826A-96
22	53	100.0	47	3	US-08-482-085B-91
23	53	100.0	47	3	US-08-928-694-93
24	53	100.0	47	3	US-08-928-694-94
25	53	100.0	47	3	US-08-928-694-95
26	53	100.0	47	3	US-08-928-694-96
27	53	100.0	47	4	PCT-US91-06950-93
28	53	100.0	47	4	PCT-US91-06950-94

29	53	100.0	47	4	PCT-US91-06950-95	Sequence 95, Appl
30	53	100.0	47	4	PCT-US91-06950-96	Sequence 96, Appl
31	53	100.0	58	2	US-08-465-380-60	Sequence 60, Appl
32	53	100.0	58	2	US-08-486-397-60	Sequence 60, Appl
33	53	100.0	58	2	US-08-486-399-60	Sequence 60, Appl
34	53	100.0	58	2	US-08-461-965-60	Sequence 60, Appl
35	53	100.0	58	2	US-08-634-641-60	Sequence 60, Appl
36	53	100.0	58	3	US-09-249-471-60	Sequence 60, Appl
37	53	100.0	58	3	US-09-249-472-60	Sequence 60, Appl
38	53	100.0	58	3	US-09-249-451-60	Sequence 60, Appl
39	53	100.0	58	3	US-08-809-455-60	Sequence 60, Appl
40	53	100.0	58	3	US-09-249-461-60	Sequence 60, Appl
41	53	100.0	58	3	US-09-249-448-60	Sequence 60, Appl
42	53	100.0	61	2	US-08-465-380-61	Sequence 61, Appl
43	53	100.0	61	2	US-08-486-397-61	Sequence 61, Appl
44	53	100.0	61	2	US-08-486-399-61	Sequence 61, Appl
45	53	100.0	61	3	US-09-249-448-61	Sequence 61, Appl

## ALIGNMENTS

RESULT 1  
US-08-036-555B-41  
Sequence 41, Application US/08036555B  
Patent No. 5530109  
GENERAL INFORMATION:  
APPLICANT: Goodheart, Andrew; Stroobant, Paul;  
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;  
APPLICANT: Chen, Mao Su; Hiles, Ian  
TITLE OF INVENTION: Glial Mitogenic Factors, Their  
NUMBER OF SEQUENCES: 184  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Felte & Lynch  
STREET: 805 Third Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
COMPUTER: IBM  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/036,555B  
FILING DATE: 24-MAR-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 30-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 03-APRIL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: U K 91 07566.3  
FILING DATE: 10-APRIL-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Tsai, Christine H.  
REGISTRATION NUMBER: 34,266  
REFERENCE/DOCKET NUMBER: LUD 5250.4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 688-9200  
TELEFAX: (212) 838-3864  
INFORMATION FOR SEQ ID NO: 41:  
SEQUENCE CHARACTERISTICS:







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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/06846A
FILING DATE: 25-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/249,322
FILING DATE: 26-MAY-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, Norman D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5250.5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-8200
TELEFAX: (212) 838-3864
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 24
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
PCT-US95-06846A-41

Query Match          100.0%; Score 53; DB 4; Length 24;
Best Local Similarity 19.0%; Pred. No. 41;
Matches 4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXCXXXXXXXXXXCXXC 21
|::|::|::|::|::|::|::|
DB 4 CGCTCCTCTCTTCGCCCTTC 24

RESULT 9
US-08-902-516-47
; Sequence 47, Application US/08902516
; Patent No. 5891432
; GENERAL INFORMATION:
; APPLICANT: Soo Hoo, William
; TITLE OF INVENTION: MEMBRANE-BOUND CYTOKINE COMPOSITIONS
; TITLE OF INVENTION: COMPRISING GM-CSF AND METHODS OF MODULATING AN IMMUNE
; TITLE OF INVENTION: RESPONSE USING SAME
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CAMPBELL & FLORES, LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92121
; COMPUTER READABLE FORM:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/902,516
FILING DATE: 29-JUL-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-IM 2442
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)535-9001
TELEFAX: (619)535-8949
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-902-516-47

Query Match          100.0%; Score 53; DB 2; Length 38;
Best Local Similarity 19.0%; Pred. No. 62;
Matches 4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXCXXXXXXXXXXCXXC 21
|::|::|::|::|::|::|::|
DB 12 CTAGACACCACCGCTCACCC 32

RESULT 10
US-08-451-947-97
; Sequence 97, Application US/08451947
; Patent No. 5702906
; GENERAL INFORMATION:
; APPLICANT: GENENTECH, INC.
; TITLE OF INVENTION: NOVEL NEUTROPHILIC FACTOR
; NUMBER OF SEQUENCES: 100
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/451,947
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/426419
; FILING DATE: 19-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/030013
; FILING DATE: 22-MAR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/648482
; FILING DATE: 31-JAN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/587707
; FILING DATE: 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, Timothy E.
; REGISTRATION NUMBER: 36,700
```



GENERAL INFORMATION:  
APPLICANT: GENENTECH, INC.  
APPLICANT: ROSENTHAL, ARNON  
TITLE OF INVENTION: NOVEL NEUTROPHIC FACTOR  
NUMBER OF SEQUENCES: 100  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: palin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US91/06950  
CLASSIFICATION: 436  
FILING DATE: 19910924  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/648482  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/587707  
ATTORNEY/AGENT INFORMATION:  
NAME: Hensley, Max D.  
REGISTRATION NUMBER: 27,043  
REFERENCE/DOCKET NUMBER: 666P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/266-1994  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ. ID NO: 97:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 45 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
PCT-US91-06950-97

Query Match 100.0%; Score 53; DB 4; Length 45;  
Best Local Similarity 19.0%; Pred. No. 72;  
Matches 4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CXXXXXXCXXXXXXCXXXXC 21  
DB 20 CACACGACGACGATCTATC 40

RESULT 14  
US-08-451-947-93  
Sequence 93, Application US/08451947  
Patent No. 5702906  
GENERAL INFORMATION:  
APPLICANT: GENENTECH, INC.  
APPLICANT: ROSENTHAL, ARNON  
TITLE OF INVENTION: NOVEL NEUTROPHIC FACTOR  
NUMBER OF SEQUENCES: 100  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: palin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/451,947

FILING DATE: 514  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/426419  
FILING DATE: 19-APR-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/030013  
FILING DATE: 22-MAR-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/648482  
FILING DATE: 31-JAN  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/587707  
FILING DATE: 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Torchia, Timothy E.  
REGISTRATION NUMBER: 36,700  
REFERENCE/DOCKET NUMBER: 666P2C1D2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-8674  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ. ID NO: 93:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 47 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-451-947-93

Query Match 100.0%; Score 53; DB 1; Length 47;  
Best Local Similarity 19.0%; Pred. No. 75;  
Matches 4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CXXXXXXCXXXXXXCXXXXC 21  
DB 4 CGCGCTCTAGAGTCACACG 24

RESULT 15  
US-08-451-947-94  
Sequence 94, Application US/08451947  
Patent No. 5702906  
GENERAL INFORMATION:  
APPLICANT: GENENTECH, INC.  
APPLICANT: ROSENTHAL, ARNON  
TITLE OF INVENTION: NOVEL NEUTROPHIC FACTOR  
NUMBER OF SEQUENCES: 100  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: palin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/451,947  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/426419  
FILING DATE: 19-APR-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/030013  
FILING DATE: 22-MAR-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/648482  
FILING DATE: 31-JAN

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/587707  
 FILING DATE: 1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Torchia, Timothy E.  
 REGISTRATION NUMBER: 36,700  
 REFERENCE/DOCKET NUMBER: 666P2C1D2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-8674  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 94:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 47 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-451-947-94

Query Match 100.0%; Score 53; DB 1; Length 47;  
 Best Local Similarity 19.0%; Pred. No. 75;  
 Matches 4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXXXXXXCXXC 21  
 I::I::I::I::I::I::I::I  
 DB 4 CGCGCTCTAGAGTCGACAAAC 24

Search completed: March 1, 2001, 16:19:17  
 Job time: 310 sec